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US 6285999 B1	Method for node ranking in a linked database	20010904
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US 6233545 B1	Classification using fisher values as discrimination values	707/5
US 5926101 A	Universal machine translator of arbitrary languages utilizing epistemic moments	707/6
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 Carolyn Watters , Michael A. Shepherd
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 Volume 8 Issue 2
 Two major methods of accessing data in current database systems are querying and browsing. The more traditional query method returns an answer set that may consist of data values (DBMS), items containing the answer (full text), or items referring the user to items containing the answer (bibliographic). Browsing within a database, as best exemplified by hypertext systems, consists of viewing a database item and linking to related items on the basis of some attribute or attribute value. ...

2 A statechart-based model for hypermedia applications 77%
 Maria Cristina Ferreira de Oliveira , Marcelo Augusto Santos Turine ,
 Paulo Cesar Masiero
 ACM Transactions on Information Systems (TOIS) January 2001
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execution semantics of statecharts to specify both the structural organization and the browsing semantics of hypermedia applications. Statecharts are an extension of finite-state machines and the model is thus a generalization of hypergraph-based hypertext models. Some of the most important features of HMBS are its ability to model hierarchy and synchronization of information

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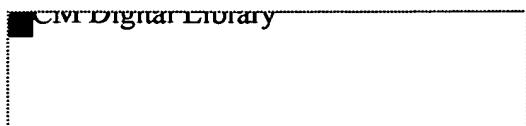
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Structural analysis of hypertexts: identifying hierarchies and useful metrics

Authors

Rodrigo A. Botafogo

Ehud Rivlin

Ben Shneiderman

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Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

- 1 BOTAFOGO, R.A. Structural analysis of hypertexts. Unpublished Master's Thesis, Univ. of Maryland, College Park, 1990.
- 2 Rodrigo A. Botafogo , Ben Shneiderman, Identifying aggregates in hypertext structures, Proceedings of the third annual ACM conference on Hypertext, p.63-74, December 15-18, 1991, San Antonio, Texas, United States
- 3 P. J. Brown, Do we need maps to navigate round hypertext documents?, Electronic Publishing—Origination, Dissemination, and Design, v.2 n.2, p.91-100, July 1989
- 4 Davida Charney, Comprehending non-linear text: the role of discourse cues and reading strategies, Proceeding of the ACM conference on Hypertext, p.109-120, November 1987, Chapel Hill, North Carolina, United States
- 5 Jeff Conklin , Michael L. Begeman, gIBIS: a hypertext tool for exploratory policy discussion, ACM Transactions on Information Systems (TOIS), v.6 n.4, p.303-331, Oct. 1988
- 6 Dennis E. Egan , Joel R. Remde , Louis M. Gomez , Thomas K. Landauer , Jennifer Eberhardt , Carol C. Lochbaum, Formative design evaluation of superbook, ACM Transactions on Information Systems (TOIS), v.7 n.1, p.30-57, Jan. 1989
- 7 Robert W. Floyd, Algorithm 97: Shortest path, Communications of the ACM, v.5 n.6, p.345, June 1962
- 8 G. W. Furnas, Generalized fisheye views, ACM SIGCHI Bulletin, v.17 n.4, p.16-23, April 1986
- 9 Frank G. Halasz , Thomas P. Moran , Randall H. Trigg, Notecards in a nutshell, ACM SIGCHI Bulletin, v.17 n.SI, p.45-52, May 1987
- 10 Frank, G. Halasz, Reflections on NoteCards: seven issues for the next generation of hypermedia systems, Communications of the ACM, v.31 n.7, p.836-852, July 1988
- 11 HARARY, F. Status and contrastatus Sociometry 22 (1959), 23-43.
- 12 HARARY, F., NORMAN, R. Z., AND CARTWRIGHT, D. Structural models. An Introduction to the Theory of Directed Graphs. Wiley, New York, 1965
- 13 KAUFMANN, A. Graphs, dynamic programming and finite gaines. In Mathematcs *n Sczence and Engineering 36. Academic Press, New York 1967.
- 14 KINTSCH, W , AND VAN DIJK, T. Toward a model of text comprehensmn and production Psychol. Rev. 85 (1978), 363-394.
- 15 C. C. Marshall , P. M. Irish, Guided tours and on-line presentations: how authors make existing hypertext intelligible for readers, Proceedings of the second annual ACM conference on Hypertext, p.15-26, November 1989, Pittsburgh, Pennsylvania, United States
- 16 MOFFAT, A. AND TAKAOKA, T An all pairs shortest path algomthm with expected running time $O(n^2 \log n)$. In Proceedmgs of the 26th Annual Symposium on Foundations of Computer Smence, 1985, pp. 101 105.
- 17 Jakob Nielsen, The art of navigating through hypertext, Communications of the ACM, v.33 n.3, p.296-310, March 1990
- 18 Jakob Nielsen, Hypertext and hypermedia, Academic Press Professional, Inc., San Diego, CA, 1990

19 Christine Neuwirth , David Kaufer , Rick Chimera , Terilyn Gillespie, The Notes program: a hypertext application for writing from source texts, Proceeding of the ACM conference on Hypertext, p.121-141, November 1987, Chapel Hill, North Carolina, United States

20 R. Pausch , J. Detmer, Node popularity as a hypertext browsing aid, Electronic Publishing—Origination, Dissemination, and Design, v.3 n.4, p.227-234, Nov. 1990

21 Catherine Plaisant, Guide to opportunities in volunteer archaeology: case study on the use of a hypertext system in a museum exhibit, Hypertext/hypermedia handbook, McGraw-Hill, Inc., Hightstown, NJ, 1991

22 Gerald Salton, Automatic text processing, Addison-Wesley Longman Publishing Co., Inc., Boston, MA, 1988

23 SHNEIDERMAN, B , AND KEARSLEY, G. Hypertext Hands-On/Addison-Wesley, Reading, Mass, 1989

24 SIRA, P.M. A new algorithm for finding all shortest paths in a graph of posture arcs in average time $O(n^2 \log n)$, SIAM J. Comput. 2, I (1973), 28-32.

25 P. David Stotts , Richard Furuta, Petri-net-based hypertext: document structure with browsing semantics, ACM Transactions on Information Systems (TOIS), v.7 n.1, p.3-29, Jan. 1989

26 P. David Stotts , Richard Furuta, Hierarchy, composition, scripting languages, and translators for structured hypertext, Hypertext: concepts, systems and applications, Cambridge University Press, New York, NY, 1992

27 Randall H. Trigg , Peggy M. Irish, Hypertext habitats: experiences of writers in NoteCards, Proceeding of the ACM conference on Hypertext, p.89-108, November 1987, Chapel Hill, North Carolina, United States

28 VALnEZ, F , AN~CHI~NELL, M Browsing models for hypermedia databases. In Proceedings of the Human Factors Soczety, 32nd Annual Meeting (Santa Monica, Calif., 1988), Human Factors Society, 1988, pp. 318 322.

29 VAN DIJK, T, AND KINTSCM W Strategzes of Discourse Comprehensmn. Academic Press, New York, 1983.

30 P. T. Zellweger, Scripted documents: a hypermedia path mechanism, Proceedings of the second annual ACM conference on Hypertext, p.1-14, November 1989, Pittsburgh, Pennsylvania, United States

↑ CITINGS 39

George W. Furnas , Jeff Zacks, Multitrees: enriching and reusing hierarchical structure, Conference proceedings on Human factors in computing systems : "celebrating interdependence": "celebrating interdependence", p.330-336, April 24-28, 1994, Boston, Massachusetts, United States

Loren Terveen , Will Hill, Evaluating emergent collaboration on the Web, Proceedings of the ACM 1998 conference on Computer supported cooperative work, p.355-362, November 14-18, 1998, Seattle, Washington, United States

Scott Johnson, Control for hypertext construction, Communications of the ACM, v.38 n.8, p.87, Aug. 1995

Emilia Mendes , Wendy Hall, Towards the prediction of development effort for web applications, Proceedings of the eleventh ACM on Hypertext and hypermedia, p.242-243, May 30-June 03, 2000, San Antonio, Texas, United States

Chris Coulston , Theresa M. Vitolo, A hypertext metric based on huffman coding, Proceedings of the twelfth ACM conference on Hypertext and Hypermedia, August 14-18, 2001, Århus, none, Denmark

John E. McEneaney, Navigational correlates of comprehension in hypertext, Proceedings of the eleventh ACM on Hypertext and hypermedia, p.254-255, May 30-June 03, 2000, San Antonio, Texas, United States

Ehud Rivlin , Rodrigo Botafogo , Ben Shneiderman, Navigating in hyperspace: designing a structure-based toolbox, Communications of the ACM, v.37 n.2, p.87-96, Feb. 1994

Loren Terveen , Will Hill, Finding and visualizing inter-site clan graphs, Conference proceedings on Human factors in computing systems, p.448-455, April 18-23, 1998, Los Angeles, California, United States

Rodrigo A. Botafogo , Ben Shneiderman, Identifying aggregates in hypertext structures, Proceedings of the third annual ACM conference on Hypertext, p.63-74, December 15-18, 1991, San Antonio, Texas, United States

F. Garzotto , M. Matera , P. Paolini, Abstract tasks: a tool for the inspection of Web sites and off-line hypermedia, Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots, p.157-163, February 21-25, 1999, Darmstadt, Germany

Sougata Mukherjea , James D. Foley, Showing the context of nodes in the World-Wide Web, Conference companion on Human factors in computing systems, p.326-327, May 07-11, 1995, Denver, Colorado, United States

Sougata Mukherjea , James D. Foley , Scott Hudson, Visualizing complex hypermedia networks through multiple hierarchical views, Conference proceedings on Human factors in computing systems, p.331-337, May 07-11, 1995, Denver, Colorado, United States

Licia Calvi , Paul De Bra, Improving the usability of hypertext courseware through adaptive linking, Proceedings of the eighth ACM conference on Hypertext, p.224-225, April 06-11, 1997, Southampton, United Kingdom

David Durand , Paul Kahn, MAPA: a system for inducing and visualizing hierarchy in Websites, Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space—structure in hypermedia systems: links, objects, time and space—structure in hypermedia systems, p.66-76, June 20-24, 1998, Pittsburgh, Pennsylvania, United States

Chaomei Chen, Structuring and visualising the WWW by generalised similarity analysis, Proceedings of the eighth ACM conference on Hypertext, p.177-186, April 06-11, 1997, Southampton, United Kingdom

Jon M. Kleinberg, Authoritative sources in a hyperlinked environment, Proceedings of the ninth annual ACM-SIAM symposium on Discrete algorithms, p.668-677, January 25-27, 1998, San Francisco, California, United States

Sougata Mukherjea , Yoshinori Hara, Focus+context views of World-Wide Web nodes, Proceedings of the eighth ACM conference on Hypertext, p.187-196, April 06-11, 1997, Southampton, United Kingdom

Tomás Isakowitz , Edward A. Stohr , P. Balasubramanian, RMM: a methodology for structured hypermedia design, Communications of the ACM, v.38 n.8, p.34-44, Aug. 1995

Sougata Mukherjea, Information visualization for hypermedia systems, ACM Computing Surveys (CSUR), v.31 n.4es, Dec. 1999

Antonina Dattolo , Antonio Gisolfi, Analytical version control management in a hypertext system, Proceedings of the third international conference on Information and knowledge management, p.132-139, November 29-December 02, 1994, Gaithersburg, Maryland, United States

Seung C. Lee, IDM: a methodology for intranet design, Proceedings of the international conference on Information systems, p.51-67, December 1998, Helsinki, Finland

James Pitkow , Peter Pirolli, Life, death, and lawfulness on the electronic frontier, conference proceedings on Human factors in computing systems, p.383-390, March 22-27, 1997, Atlanta, Georgia, United

States

John E. McEneaney, Visualizing and assessing navigation in hypertext, Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots, p.61-70, February 21-25, 1999, Darmstadt, Germany

Ed H. Chi , James Pitkow , Jock Mackinlay , Peter Pirolli , Rich Gossweiler , Stuart K. Card, Visualizing the evolution of Web ecologies, Conference proceedings on Human factors in computing systems, p.400-407, April 18-23, 1998, Los Angeles, California, United States

David Gibson , Jon Kleinberg , Prabhakar Raghavan, Inferring Web communities from link topology, Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space—structure in hypermedia systems: links, objects, time and space—structure in hypermedia systems, p.225-234, June 20-24, 1998, Pittsburgh, Pennsylvania, United States

Shoji Yamada , Jung-Kook Hong , Shigeharu Sugita, Development and evaluation of hypermedia for museum education: validation of metrics, ACM Transactions on Computer-Human Interaction (TOCHI), v.2 n.4, p.284-307, Dec. 1995

R. Lempel , S. Moran, SALSA: the stochastic approach for link-structure analysis, ACM Transactions on Information Systems (TOIS), v.19 n.2, p.131-160, April 2001

Glenn J. Broadhead, Using HTML frames for institutional websites, Proceedings of the sixteenth annual international conference on Computer documentation, p.278-285, September 24-26, 1998, Quebec, Quebec, Canada

Gerard Salton , James Allen, Selective text utilization and text traversal, Proceedings of the fifth ACM conference on Hypertext, p.131-144, November 14-18, 1993, Seattle, Washington, United States

Loren Terveen , Will Hill , Brian Amento, Constructing, organizing, and visualizing collections of topically related Web resources, ACM Transactions on Computer-Human Interaction (TOCHI), v.6 n.1, p.67-94, March 1999

Lloyd Rutledge , Brian Bailey , Jacco van Ossenbruggen , Lynda Hardman , Joost Geurts, Generating presentation constraints from rhetorical structure, Proceedings of the eleventh ACM on Hypertext and hypermedia, p.19-28, May 30-June 03, 2000, San Antonio, Texas, United States

Michael J. Albers , Loel Kim, User web browsing characteristics using palm handhelds for information retrieval, Proceedings of IEEE professional communication society international professional communication conference and ACM special interest group on documentation conference on Technology & teamwork, September 24-27, 2000, Cambridge, Massachusetts

David Ellis , Jonathan Furner-Hines , Peter Willett, On the measurement of inter-linker consistency and retrieval effectiveness in hypertext databases, Proceedings of the seventeenth annual international ACM-SIGIR conference on Research and development in information retrieval, p.51-60, July 03-06, 1994, Dublin, Ireland

Ross Wilkinson , Alan F. Smeaton, Automatic link generation, ACM Computing Surveys (CSUR), v.31 n.4es, Dec. 1999

Jonathan Furner , David Ellis , Peter Willett, Inter-linker consistency in the manual construction of hypertext documents, ACM Computing Surveys (CSUR), v.31 n.4es, Dec. 1999

Jon M. Kleinberg, Authoritative sources in a hyperlinked environment, Journal of the ACM (JACM), v.46 n.5, p.604-632, Sept. 1999

Margaret M. Recker , James E. Pitkow, Predicting document access in large multimedia repositories, ACM Transactions on Computer-Human Interaction (TOCHI), v.3 n.4, p.352-375, Dec. 1996

Gerard Salton , Amit Singhal , Chris Buckley , Mandar Mitra, Automatic text decomposition using text segments and text themes, Proceedings of the the seventh ACM conference on Hypertext, p.53-65, March 16-20, 1996, Bethesda, Maryland, United States

Mei Kobayashi , Koichi Takeda, Information retrieval on the web, ACM Computing Surveys (CSUR), v.32 n.2, p.144-173, June 2000

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- H. Information Systems
 - ↳ H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)
 - ↳ H.5.1 Multimedia Information Systems
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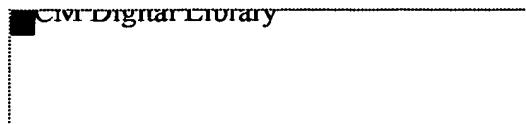
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1 Ayers, E. Z., and Stasko, J. T. Using graphic history in browsing the World Wide Web. In Proceedings of the 4th International World-Wide Web Conference (Boston, December, 1994).

<http://www.w3.org/pub/Conferences/ WWW4/Papers2/270/>

- 2 Rodrigo A. Botafogo , Ehud Rivlin , Ben Shneiderman, Structural analysis of hypertexts: identifying hierarchies and useful metrics, *ACM Transactions on Information Systems (TOIS)*, v.10 n.2, p.142-180, April 1992
- 3 C. Mic Bowman , Peter B. Danzig , Udi Manber , Michael F. Schwartz, Scalable Internet resource discovery: research problems and approaches, *Communications of the ACM*, v.37 n.8, p.98-ff., Aug. 1994
- 4 Carr, L., Hall, W., and De Roure, D. Microcosm extensions to the World-Wide Web. <http://vim.ec.s.soto.n.ac.uk/www, h tml>
- 5 Matthew Chalmers, A linear iteration time layout algorithm for visualising high-dimensional data, *Proceedings of the conference on Visualization '96*, p.127-ff., October 28-29, 1996, San Francisco, California, United States
- 6 Chen, C. Behavioural patterns of writing with collaborative hypertext: A state-transition approach. In *People and Computers XI*, M. Sasse, R. Cunningham, and R. Winder, Eds. Springer-Verlag, London, 1996, pp. 265-279.
- 7 Chert, C. and Rada, R. Interacting with hypertext: A meta-analysis of experimental studies. *Human-Computer Interaction*, 11, 2 (1996), 125-156.
- 8 Chen, H., Schuffels, C., and Orwig, R. Internet categorization and search: A self-organizing approach. *J. Visual Communication and Image Representation*, 7, 1 (Mar. 1996), 88-102.
- 9 Andy Cockburn , Steve Jones, Which way now? Analysing and easing inadequacies in WWW navigation, *International Journal of Human-Computer Studies*, v.45 n.1, p.105-129, July 1996
- 10 Cooke, N. J., Neville, K. J., and Rowe, A. L. Procedural network representations of sequential data. *Human- Computer Interaction*, 11, 1 (1996), 29-68.
- 11 Davis, H., and Hey, J. Automatic extraction of hypermedia bundles from the digital library. In *Proceedings of Digital Libraries'95*. <http://csdl.tamu.edu/DL95/davis.html>
- 12 Fairchild, K., Poltrok, S., and Furnas, G. Semnet: Threedimensional graphic representations of large knowledge bases. In *Cognitive Science and its Applications for Human-Computer Interaction*, R. Guindon, Ed. Lawrence Erlbaum, 1988.
- 13 T. Kamada , S. Kawai, An algorithm for drawing general undirected graphs, *Information Processing Letters*, v.31 n.1, p.7-15, April 1989
- 14 Y. K. Leung , M. D. Apperley, A review and taxonomy of distortion-oriented presentation techniques, *ACM Transactions on Computer-Human Interaction (TOCHI)*, v.1 n.2, p.126-160, June 1994
- 15 James E. McDonald , Kenneth R. Paap , Deborah R. McDonald, Hypertext perspectives: using pathfinder to build hypertext systems, *Pathfinder associative networks: studies in knowledge organization*, Ablex Publishing Corp., Norwood, NJ, 1990
- 16 Sougata Mukherjea , James D. Foley, Visualizing the World-Wide Web with the navigational view builder, *Computer Networks and ISDN Systems*, v.27 n.6, p.1075-1087, April 1995
- 17 James E. Pitkow , Colleen M. Kehoe, Emerging trends in the WWW user population, *Communications of the ACM*, v.39 n.6, p.106-108, June 1996

- 18 Peter Pirolli , James Pitkow , Ramana Rao, Silk from a sow's ear: extracting usable structures from the Web, Conference proceedings on Human factors in computing systems, p.118-125, April 13-18, 1996, Vancouver, British Columbia, Canada
- 19 Gerard Salton , James Allan , Chris Buckley, Automatic structuring and retrieval of large text files, Communications of the ACM, v.37 n.2, p.97-108, Feb. 1994
- 20 Ron Weiss , Bienvenido Vélez , Mark A. Sheldon, HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering, Proceedings of the the seventh ACM conference on Hypertext, p.180-193, March 16-20, 1996, Bethesda, Maryland, United States

↑ CITINGS 7

Chaomei Chen , Mary Czerwinski, From latent semantics to spatial hypertext—an integrated approach, Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space—structure in hypermedia systems: links, objects, time and space—structure in hypermedia systems, p.77-86, June 20-24, 1998, Pittsburgh, Pennsylvania, United States

Simon Harper , Carole Goble , Robert Stevens, Prototype mobility tools for visually impaired surfers, Proceedings of the twelfth ACM conference on Hypertext and Hypermedia, August 14-18, 2001, Århus, none, Denmark

Dharmendra S. Modha , W. Scott Spangler, Clustering hypertext with applications to web searching, Proceedings of the eleventh ACM on Hypertext and hypermedia, p.143-152, May 30-June 03, 2000, San Antonio, Texas, United States

David Gibson , Jon Kleinberg , Prabhakar Raghavan, Inferring Web communities from link topology, Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space—structure in hypermedia systems: links, objects, time and space—structure in hypermedia systems, p.225-234, June 20-24, 1998, Pittsburgh, Pennsylvania, United States

John E. McEneaney, Visualizing and assessing navigation in hypertext, Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots, p.61-70, February 21-25, 1999, Darmstadt, Germany

Sougata Mukherjea, Information visualization for hypermedia systems, ACM Computing Surveys (CSUR), v.31 n.4es, Dec. 1999

Wen-Syan Li , Necip Fazil Ayan , Okan Kolak , Quoc Vu , Hajime Takano , Hisashi Shimamura, Constructing multi-granular and topic-focused web site maps, Proceedings of the tenth international conference on World Wide Web, p.343-354, May 01-05, 2001, Hong Kong, Hong Kong

↑ INDEX TERMS

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- H. Information Systems
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 - ↳ H.5.1 Multimedia Information Systems
 - ↳ Subjects: Hypertext navigation and maps**

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- H. Information Systems
 - ↳ H.3 INFORMATION STORAGE AND RETRIEVAL
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